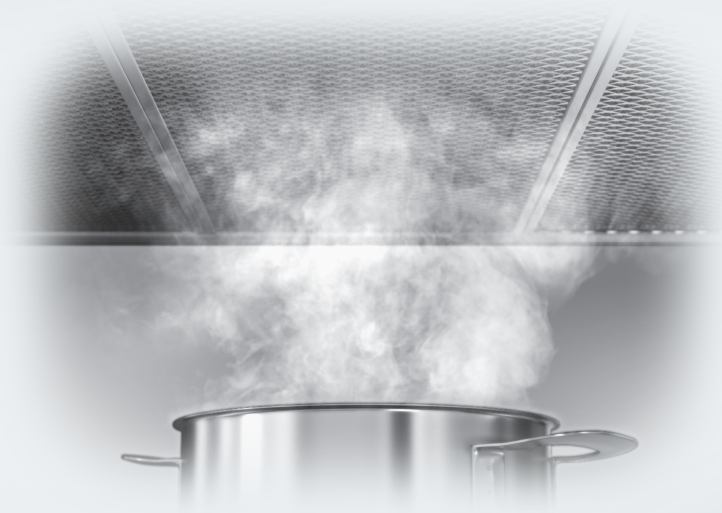
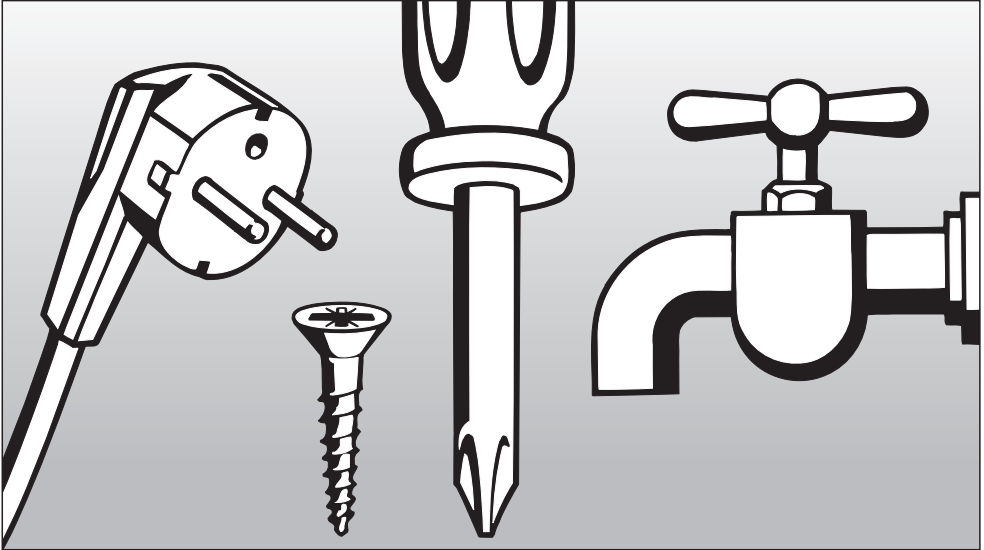


# Operating and Installation Instructions Ventilation System



To prevent accidents and machine damage, read these instructions **before** installation or use.



## Installation Instructions

Read these instructions and the "Important Safety Instructions" before installing this ventilation system.

The installation steps are described in the enclosed "Installation Diagram".

Leave these instructions with the appliance for the consumer/user.

Information is subject to change. Please refer to our website to obtain the most current product specification, technical & warranty information.

# Caring for the environment

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## Disposal of packing material

The cardboard box and packing materials protect the appliance during shipping. They have been designed to be biodegradable and recyclable. Please recycle.



### **DANGER**

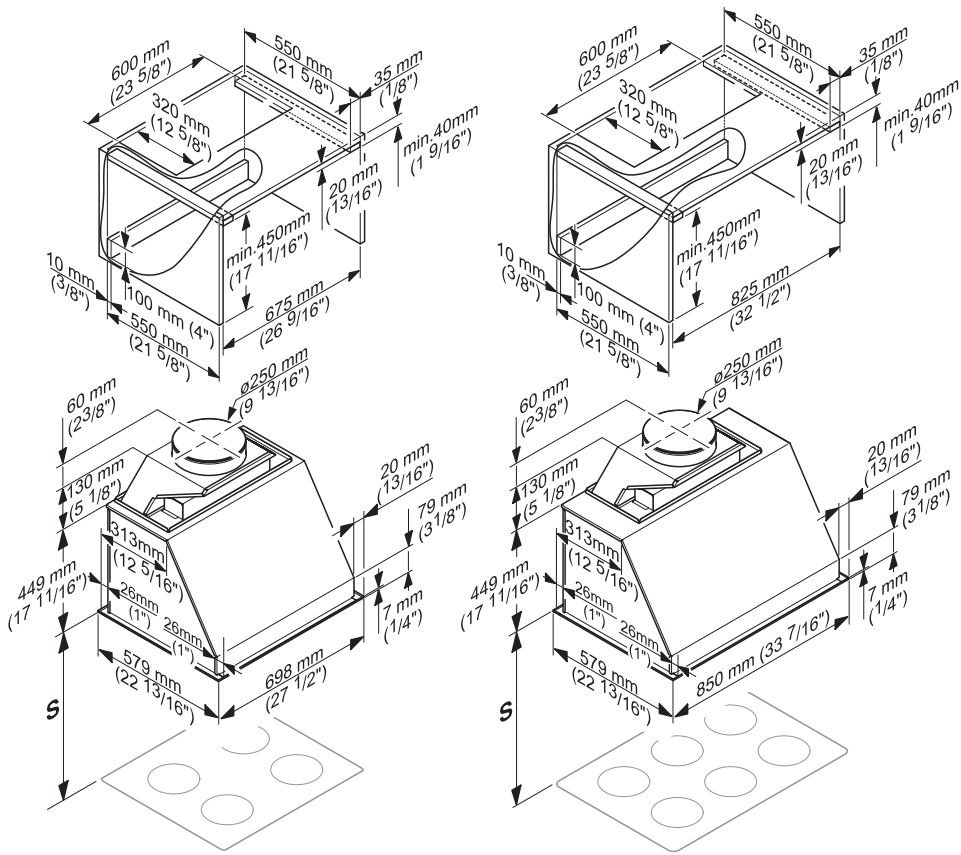
Ensure that any plastic wrappings, bags, etc., are disposed of safely and kept out of the reach of babies and young children. Danger of suffocation!

## Disposal of an old appliance

Old appliances may contain materials that can be recycled. Please contact your local recycling center about the possibility of recycling these materials.

Before discarding an old appliance, disconnect it from the electrical supply and cut off the power cord to prevent it from becoming a hazard.

# Appliance dimensions



Miele  
DAR 1120

Miele  
DAR 1130



Technical drawing of the Miele DAR 1220 range hood, showing exploded views of its components and their dimensions in millimeters (mm) and inches (").

**Main Unit Dimensions:**

- Top width: 305 mm (12")
- Top depth: 710 mm (27 15/16")
- Top thickness: 130 mm (5 1/8")
- Front panel height: 300 mm (11 13/16")
- Front panel width: 250 mm (9 13/16")
- Front panel depth: 60 mm (2 3/8")
- Front panel mounting hole diameter: Ø250 mm (9 13/16")
- Front panel mounting hole offset: 340 mm (13 3/8")
- Front panel mounting hole diameter: 60 mm (2 3/8")
- Front panel mounting hole offset: 120 mm (4 3/4")
- Front panel mounting hole offset: 457 mm (18")
- Front panel mounting hole offset: 611 mm (24 1/16")
- Front panel mounting hole offset: 762 mm (30")
- Front panel mounting hole offset: 80 mm (3 1/8")
- Front panel mounting hole offset: 153 mm (6")

**Accessories and Their Dimensions:**

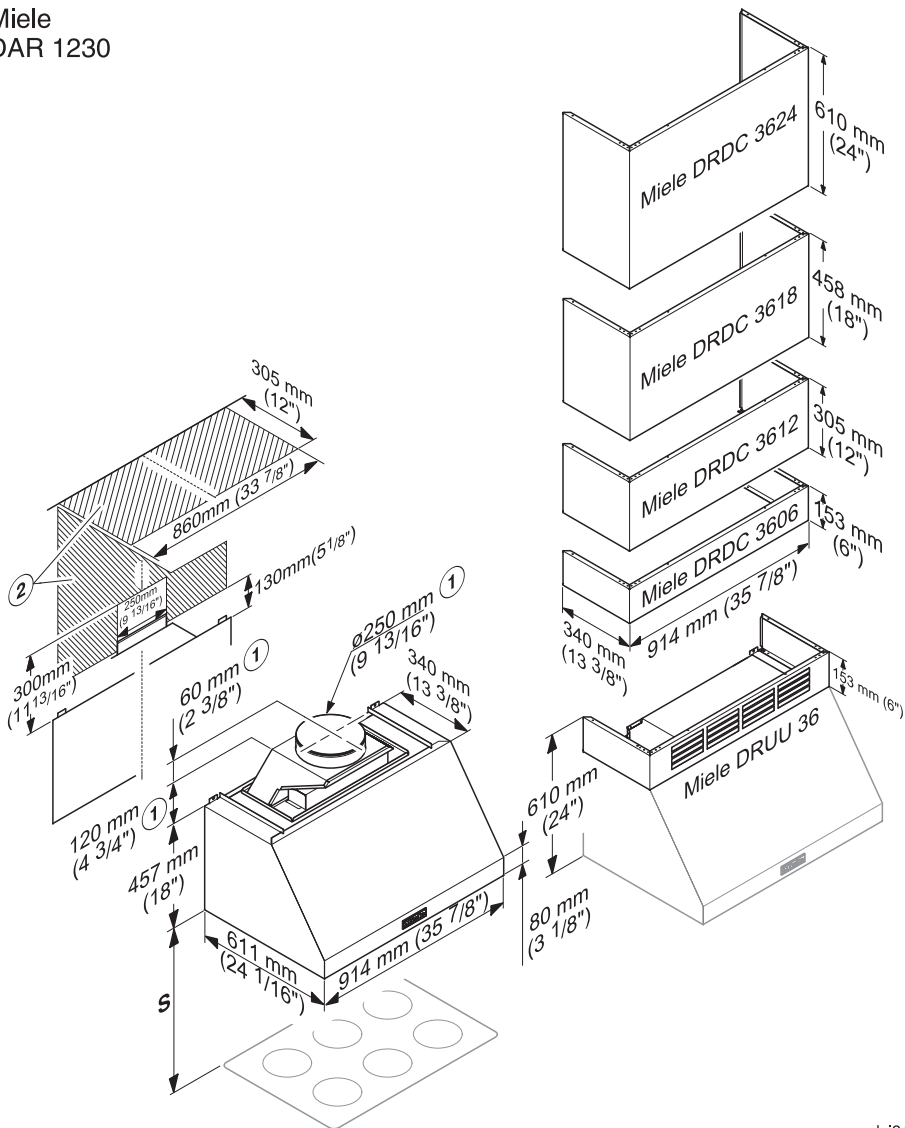
- Miele DRDC 3024: 610 mm (24")
- Miele DRDC 3018: 458 mm (18")
- Miele DRDC 3012: 305 mm (12")
- Miele DRDC 3006: 153 mm (6")
- Miele DRDC 3006: 340 mm (13 3/8")
- Miele DRDC 3006: 762 mm (30")
- Miele DRUU 30: 610 mm (24")
- Miele DRUU 30: 80 mm (3 1/8")
- Miele DRUU 30: 153 mm (6")

**Installation Dimensions:**

- Installation height: S

- ① The hood with exhaust collar is only used in air extraction mode with an internal or external blower.
- ② Installation area; Wall/ceiling area respectively for vent hole and outlet installation. For recirculation mode only the outlet installation is required.

Miele  
DAR 1230



dai3451

- ① The hood with exhaust collar is only used in air extraction mode with an internal or external blower.
- ② Installation area; Wall/ceiling area respectively for vent hole and outlet installation. For recirculation mode only the outlet installation is required.

[illegible]

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# Appliance dimensions

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## Distance between cooktop and hood (S)

Do not install this exhaust hood over cooktops burning solid fuel.

Observe the cooktop manufacturer's instructions when determining the distance between cooktop and lower edge of the hood.  
Unless the instructions require a greater distance, the adjacent minimum safety distances apply for Miele cooktops.

- If several gas surfaces are installed under the hood, the total output must be considered when determining the minimum safety distance.
- Be sure to follow the minimum safety distances given by the gas cooktop manufacturer to easily flammable materials e.g. upper cabinets.
- If local building codes require a greater safety distance, follow their requirement.
- If there is more than one appliance beneath the hood and they have different minimum safety distances always select the greater distance.

See "Important Safety Instructions" for further information.

- To ensure free access to work under the ventilation hood, a distance of a minimum of 26" (660 mm) above the electric cooktop is also recommended.
- Take the user's body height into consideration when selecting the installation height. Adequate work space at the cooktop and optimal operation of the ventilation system should be ensured.
- However, the greater the distance from the cooktop, the less effectively cooking odors are drawn in.

# Appliance dimensions

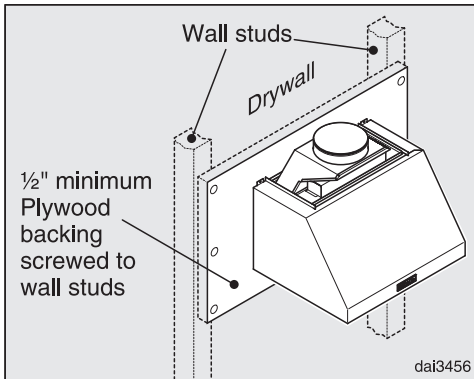
|  | Distance between cooktop and hood (S) |                              |                                |                                |
|--|---------------------------------------|------------------------------|--------------------------------|--------------------------------|
| Miele Range hood   | DAR 1120,<br>DAR 1220<br>(30")        | DAR 1130, DAR 1230<br>(36")  |                                | DAR 1150,<br>DAR 1250<br>(48") |
| Internal / External blowers  | DRIB/DREB<br>XL<br>(700 cfm)          | DRIB/DREB<br>XL<br>(700 cfm) | DRIB/DREB<br>XXL<br>(1100 cfm) | DRIB/DREB<br>XXL<br>(1100 cfm) |
| Miele Electric Cooktops  | 24" (610 mm)                          |                              |                                |                                |
| Miele Electric Barbeques and Fryers  | 26" (660 mm)                          |                              |                                |                                |
| Miele Multiburner Gas cooktops<br>≤ 43,000 BTU/hr (12.6 KW)<br>and no burner > 18,800 BTU/hr<br>(5.5 KW)                             | 26" (660 mm)                          |                              |                                |                                |
| Miele Multiburner Gas cooktops ><br>43,000 BTU/hr (12.6 KW)<br>≤ 92,200 BTU/hr (27 KW)<br>and no burner >> 18,800 BTU/hr<br>(5.5 KW) | 30" (760 mm)                          |                              |                                |                                |
| Miele Multiburner Gas cooktops ><br>92,200 BTU/hr (27 KW)<br>≤ 109,200 BTU/hr (32 KW)<br>and no burner >> 18,800 BTU/hr<br>(5.5 KW)  | not<br>possible                       | 36" (910 mm)                 | 30" (760 mm)                   |                                |
| Miele Multiburner Gas cooktops ><br>109,200 BTU/hr (32 KW)<br>≤ 136,500 BTU/hr (40 KW)<br>and no burner >> 18,800 BTU/hr<br>(5.5 KW) | not<br>possible                       |                              | 36" (910 mm)                   |                                |
| Miele Multiburner Gas cooktops ><br>136,500 BTU/hr (40 KW)   | not possible                          |                              |                                |                                |
| Miele Multiburner Gas cooktops<br>one of the burners>> 18,800 BTU/hr<br>(5.5 KW)   | not possible                          |                              |                                |                                |
| Miele Single burner (Wok)<br>≤ 20,500 BTU/hr (6 KW)  | 26" (660 mm)                          |                              |                                |                                |
| Miele Single burner (Wok)>><br>20,500 BTU/hr (6 KW)<br>≤ 27,600 BTU/hr (8.1 KW)  | 30" (760 mm)                          |                              |                                |                                |
| Miele Single burner (Wok)>><br>27,600 BTU/hr (8.1 KW)  | not possible                          |                              |                                |                                |

# Plywood backing

The majority of the weight of the installed ventilation system will be supported by the retaining plate. It must be firmly attached to the stud framing **behind** the drywall. If studs are not available in the required locations, a plywood backing (min. ½" (13 mm) thick) spanning at least two studs **must** be installed. Failure to adequately support the weight as stated may result in the ventilation system falling off the wall, causing personal injury and property damage.

*(If plywood backing is not needed, proceed to the included "Installation diagram".)*

## To install a plywood backing



- Find the studs to the left and right of the mounting location by tapping the wall or using a stud finder.
- Mark a vertical cutting line along the center of each stud.

### CAUTION

When cutting or drilling into the wall or ceiling, do not damage electrical wiring and other hidden utilities.

- Remove the drywall between the cutting lines and replace it with plywood of a matching thickness (min. ½" (13 mm) thick). Tape the joints and refinish the wall.
- Proceed to the enclosed "Installation diagram" to complete the installation.

- Determine and mark the location for the canopy as outlined in "Appliance dimensions".
- Make a cutting line 3" (76 mm) above and 3" (76 mm) below the outline of the retaining plate.

Before installation read the information in the "Dimensions" and "Important Safety Instruction" chapters.

Under certain conditions, there is a danger of poisonous fumes by when the ventilation system and a furnace drawing interior air run at the same time.

## **Installation instructions**

The individual installation steps are described in the included Installation diagram.

## **Protective film**

(stainless steel units)

The casing is covered with a protective film to prevent scratching during transport.

Please peel off the film before installing the casing parts. It can be removed without tools.

# Air extraction

## **WARNING**

**Danger of toxic fumes.**

**Gas cooking appliances release carbon monoxide that can be harmful or fatal if inhaled.**

**To reduce the risk of fire and to properly exhaust air, the exhaust gases extracted by the hood should be vented outside of the building only.**

**Do not vent exhaust air into spaces within walls or ceilings or in attics, crawl spaces or garages.**

**To reduce the risk of fire, only use metal ductwork.**

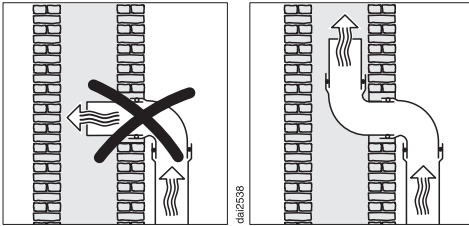
Please read and follow the **"IMPORTANT SAFETY INSTRUCTIONS"** to reduce the risk of personal injury. Follow all local building codes when installing the hood.

## **Exhaust ducting and connections**

Use smooth or flexible pipework made from approved non-flammable materials for exhaust ducting.

To achieve the most efficient air extraction and quietest noise levels, consider the following:

- The diameter of the ductwork should not be less than 8" (203 mm) with DRIB/DREB XL and 10" (254 mm) with DRIB/DREB XXL.
- If flat ducting is used, the cross section must not be smaller than the cross section of the ventilation exhaust.
- The ducting should be as short and straight as possible.
- Use ductwork with a wide radius.
- The exhaust duct must not be bent or compressed.
- Make sure all connections are secure.
- Where the ductwork is horizontal, it must slope away from the hood at least  $\frac{1}{8}$ " per foot (1 cm per meter) to prevent condensation dripping into the appliance.



- If the exhaust is ducted into an inactive flue, the air must be expelled parallel to the flow direction of the flue.

Never connect an exhaust hood to an active chimney, dryer vent, flue, or room venting ductwork. Seek professional advice before connecting an exhaust hood vent to an existing, inactive chimney or vent flue.

### Important

If the ductwork runs through rooms, ceilings, garages, etc. where temperature variations exist, it may need to be insulated to reduce condensation.

# Electrical connection

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## **WARNING** **TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:**

All electrical work should be performed by a qualified electrician in strict accordance with national regulations (for USA: ANSI-NFPA 70) and local safety regulations. Installation, repairs and other work by unqualified persons could be dangerous.  
Ensure that power to the appliance is OFF while installation or repair work is performed.

- Verify that the voltage, load and circuit rating information found on the data plate (located behind the baffle filters), match the household electrical supply before installing the hood.
- Use only with ventilation hood cord-connection kits that have been investigated and found acceptable for use with this model hood.

If there is any question concerning the electrical connection of this appliance to your power supply, please consult a licensed electrician or call Miele's Technical Service Department.

## **WARNING:** **THIS APPLIANCE MUST BE GROUNDED**

### **Grounding Instructions**

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing a path of least resistance. This appliance is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

**WARNING** - Improper grounding can result in a risk of electric shock.

If there is any doubt, have the electrical system of the house checked by a qualified electrician.

Do not use an extension cord. If the power supply cord is too short, have a qualified electrician install an outlet near the appliance.

### **Important**

The hood comes equipped with a power cord with a NEMA 5-15 molded plug for connection to a 120 VAC, 60 Hz, 15 A power outlet.

| Total connected load  | Weight  |
|---|---|
| DAR 1120, DAR 1220<br>with DRIB XL or DREB XL . . . . . 619 W | DAR 1120<br>with DRIB XL . . . . . 59.6 lbs (27.1 kg)   |
| DAR 1130, DAR 1230<br>with DRIB XL or DREB XL . . . . . 621 W | DAR 1220<br>with DRIB XL . . . . . 83.8 lbs (38.1 kg)   |
| DAR 1130, DAR 1230<br>with DRIB XXL or DREB XXL . . . . 806 W | DAR 1130<br>with DRIB XL . . . . . 66.2 lbs (30.1 kg)   |
| DAR 1150, DAR 1250<br>with DRIB XXL or DREB XXL . . . . 808 W | DAR 1130<br>with DRIB XXL . . . . . 66.7 lbs (30.3 kg)  |
| Overhead lights   | DAR 1230<br>with DRIB XL. . . . . 97 lbs (44.1 kg)      |
| DAR 1120, DAR 1220 . . . . . 2 x 2 W                          | DAR 1230<br>with DRIB XXL . . . . . 97.5 lbs (44.3 kg)  |
| DAR 1130, DAR 1230 . . . . . 3 x 2 W                          | DAR 1150<br>with DRIB XXL . . . . . 79.9 lbs (36.3 kg)  |
| DAR 1150, DAR 1250 . . . . . 4 x 2 W                          | DAR 1250<br>with DRIB XXL . . . . . 130.5 lbs (59.3 kg) |
| Power supply voltage . . . . . 120 V                          |   |
| Frequency . . . . . 60 Hz                                     |   |
| Circuit rating . . . . . 15 A                                 |   |









**Please have the model and serial number  
of your appliance available before  
contacting Technical Service.**

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## **U.S.A. Miele, Inc.**

### **National Headquarters**

9 Independence Way  
Princeton, NJ 08540  
Phone: 800-843-7231  
609-419-9898  
Fax: 609-419-4298  
[www.mieleusa.com](http://www.mieleusa.com)

### **Technical Service & Support Nationwide**

Phone: 800-999-1360  
Fax: 888-586-8056

[TechnicalService@mieleusa.com](mailto:TechnicalService@mieleusa.com)

## **Canada Miele Limited**

### **Headquarters and Showroom**

161 Four Valley Drive  
Vaughan, ON L4K 4V8  
Phone: 800-643-5381  
905-660-9936  
Fax: 905-532-2290  
[www.miele.ca](http://www.miele.ca)  
[professional@miele.ca](mailto:professional@miele.ca)  
(commercial enquiries)

### **MieleCare National Service**

Phone: 800-565-6435  
905-532-2272  
Fax: 905-532-2292  
[customercare@miele.ca](mailto:customercare@miele.ca)  
(general and technical enquiries)

## **Germany**

Miele & Cie. KG  
Carl-Miele-Straße 29  
33332 Gütersloh

DAR 1120, 1130, 1150  
DAR 1220, 1230, 1250